

Ola Subhi Waheed Badran

Citizenship : Palestinian ▪ Date of birth : 01 July 1985



Contact

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Al-Aqsa Street, Tulkarm, West Bank, Palestine

Academic Qualifications

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| 2014-2018 | PhD Degree in Power System (Electricity and Energy), Department of Electrical Engineering, University of Malaya/Kuala Lumpur, Malaysia.
PhD thesis: "NETWORK RECONFIGURATION AND DG SIZING INCORPORATING OPTIMAL SWITCHING SEQUENCE FOR SYSTEM IMPROVEMENT". |
| 2010-2012 | M.Sc. Degree in Clean Energy Engineering and Conservation of Consumption, (Grade: Excellent 3.7/4 - honor). An-Najah National University, Nablus, Palestine.
M.Sc. thesis "Modeling and simulation of lead-acid storage batteries within photovoltaic power systems". |
| 2003-2008 | B.Sc. in Bachelor of Technology – Electrical Eng (Grade: Excellent), First Grade (honor) in Electrical Engineering Department: 92.6%, Palestine Technical University-Kadoorie (PTUK), Tulkarm, Palestine.
B.Sc. thesis " Application of Analog to Digital Converters and Digital to Analog Converters ". |
| 2002-2003 | High school certificate (Al-tawjehi - scientific stream), Atil secondary school girls, Tulkarm. (Grade: 89.8%). |

Publications

1. Optimal reconfiguration of distribution system connected with distributed generations: A review of different methodologies, O Badran, S Mekhilef, H Mokhlis, W Dahalan, Renewable and Sustainable Energy Reviews 73, 854-867, 2017.
2. Modeling and simulation of lead-acid storage batteries within photovoltaic power systems, OSW Al-Qasem, A Thesis Presented to the An-Najah National University, Palestine, 2012.
3. Automatic irrigation system with pv solar tracking, B Alsayid, J Jallad, M Dradi, O Al-Qasem, Int. J Latest Trends Computing Vol 4 (4), 145, 2013.
4. Multi-Objective Network Reconfiguration with Optimal DG Output Using Meta-Heuristic Search Algorithms, O Badran, H Mokhlis, S Mekhilef, W Dahalan, Arabian Journal for Science and Engineering 43 (6), 2673-2686, 2018.
5. Optimal switching sequence path for distribution network reconfiguration considering different types of distributed generation, O Badran, S Mekhilef, H Mokhlis, W Dahalan, IEEJ Transactions

on Electrical and Electronic Engineering 12 (6), 874-882, 2017.

6. Experimental Characterization of Lead – Acid Storage Batteries used in PV Power Systems, JJ Ola Al-Qasem, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, 3 (4) 2320 – 3765, 2014.
7. Application of Hybrid Meta-Heuristic Techniques for Optimal Load Shedding Planning and Operation in an Islanded Distribution Network Integrated with Distributed Generation, J Jallad, S Mekhilef, H Mokhlis, J Laghari, O Badran, Energies 11 (5), 1-25, 2018.
8. Minimum switching losses for solving distribution NR problem with distributed generation, O Badran, H Mokhlis, S Mekhilef, W Dahalan, J Jallad, IET Generation, Transmission & Distribution 12 (8), 1790-1801, 2017.

Workshops

- ✓ “Smart Struxure Solution/Building Management System(BMS)” (January 11-15, 2014) Palestine Polytechnic University (PPU) – Hebron, Palestine in Cooperation with Schneider Electric, Palestine.
- ✓ “Signal Processing and Control with DSP” (April 10-14, 2010) Palestine Technical University (PTU) – kadoorie – Tulkarm, Palestine in Cooperation with IUT CACHAN, Paris – Sud 11 University, Palestine.
- ✓ “AutoCAD” (40 hours, 2000), Continuing Education Department (CED), Palestine Technical University (PTU) – kadoorie, Palestine.
- ✓ “P.L.C. Industrial Application” (60 hours, 2008), Continuing Education Department (CED), Palestine Technical University (PTU) – kadoorie, Palestine.
- ✓ “Electrical Installation and Control System” (Aug 29- Sep 15, 2007), Engineering Association-Jerusalem Center-Engineers Training Center, Tulkarm, Palestine.

Key Skills

Proficient or familiar with a vast array of programming languages, concepts and technologies, including:

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| ✓ PLC Devices. | ✓ PLC ladder logic software |
| ✓ MATLAB-Simulink, PSIM software. | ✓ SCADA |
| ✓ Microcontroller programming by C and assembly language. | ✓ PSpice |
| ✓ Power simulation | ✓ Altium Designer (Printed Circuit Board “PCB”). |
| ✓ Circuit maker | ✓ Proteus Professional “ISIS”. |
| ✓ Auto cad | ✓ AutoCAD. |
| | ✓ Flow Code. |
| | ✓ Pscad Software. |

Personal skills

Seeking a position that matches my ambitions and my motivated personality, to gain practical experience, acquire skills and professional training related to my qualifications which will help in achieving major goals and to be an active participant afterwards.

Personality:

- ✓ Highly developed research qualitative and analytical skills with a strong capacity to conduct independent research

- ✓ Demonstrated ability to develop goals, objectives and implement strategies through lesson planning and teaching experience
- ✓ Proven ability to conceptualise problems and develop well-reasoned and integrated solutions, as demonstrated throughout PhD and Honours research
- ✓ Working knowledge of MATLAB, PSCAD Working knowledge of Word, Excel, PowerPoint.

Work Experience

Palestine Technical University, Tulkarm. October, 2018 until
Senior Lecturer

University of Malaya, Malaysia. November, 2014 to June,2015

Research Assistant, Department of Electrical Engineering

- ✓ Support in the creation of academic publication (editing and formatting)
Conference preparation
- ✓ Lab Demonstrator (microprocessor LAB)
- ✓ Preparing lab experiments; help students to implement lab experiments.

Palestine Technical University, Tulkarm. August, 2012 to August,2014
Lecturer

- ✓ Lecturer: Protection Devices course, Electronics course, Digital Electronics course, programable logic controller (PLC) course.

Palestine Technical University, Tulkarm. March, 2009 to August,2012
Control Lab Supervisor

- ✓ Lecturer: Electronics Lab, Printed circuit board (PCB) Lab.
- ✓ Preparing lab experiments; help students to implement lab experiments.

Languages

Arabic (native) English (Very Good,)

References

Assoc.Prof. Basim AlSayid Dean of the Faculty of Engineering and Technology, Palestine Technical University-Kadoorie.
Mobile: 00972599743999
basimbo@yahoo.com

Prof. Marwan Mahmoud Department of Electrical Engineering. Faculty of Engineering ,An-Najah National University, Nablus, Palestine
Mobile: 00972599288263

Prof. HAZLIE BIN MOKHLIS Department of Electrical Engineering. Faculty of Engineering, University of Malaya, Malaysia.
hazli@um.edu.my.